

July 1, 1999

CLASS SPECIFICATION

SAN DIEGO CITY CIVIL SERVICE COMMISSION

ASSOCIATE ENGINEER - MECHANICAL

DEFINITION:

Under direction, to plan and supervise the work of professional engineers engaged in the design, review and inspection of mechanical and motive equipment; to check highly complex building plans for mechanical design; and to perform related work.

*** EXAMPLES OF DUTIES:**

- Assigns work, gives instructions, and approves engineering standards, specifications, and designs for maintaining and constructing mechanical, motive, plumbing, heating and ventilating systems and thermal insulation;
- Supervises field inspection to ensure compliance with plans and regulations;
- Confers with department heads, contractors, architects, and others concerning interpretations of plans, specifications, and standards;
- Performs needs assessments, determines priorities, makes cost estimates and prepares work orders;
- Designs modifications to mechanical, marine, and motive equipment;
- Prepares annual budget estimates;
- Inspects work in process and upon completion;
- Coordinates work with operating divisions, lease holders, governmental and other agencies;
- Reviews engineering-related legislation for impact on City operations;
- Reviews complex building designs for conformance to a variety of mechanical codes and ordinances;
- Trains and rates the work performance of subordinates;
- Prepares reports.

MINIMUM QUALIFICATIONS:

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Announcement for updated minimum qualifications.

College graduation with a Bachelor's degree in Mechanical Engineering or a closely related engineering curriculum, **OR** certification as an Engineer-in-Training (E.I.T.), **OR** registration as a professional Mechanical Engineer with a State Licensing Board; **AND** three years of professional mechanical engineering experience. Additional qualifying professional experience may be substituted for the required education on a year-for-year basis, with an additional requirement of a minimum of two years qualifying experience.

- * **EXAMPLES OF DUTIES** performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.